

WELL SUMMARY

page 1 of 3Location ID: BLM-2-482 Field Representative(s): Cooper/KaszubaNorthing: 225654.81 Easting: 402994.10Date Started: 11 October 1987 Date Completed: 7 December 1987Drilling Method: Air-foam rotary Drilling Contractor: LarjonDriller: Jim GowerTotal Depth Borehole: 550' Total Depth Well Casing: 497'Total Depth Surface Casing: 100'Diameter Well Casing: 4" Diameter Surface Casing: 10"Length of Bottom Blank: 5'Type of Screen: extra strength 0.02 slotScreen Interval: 482.4' to 492.8'Water First Detected: ND Water Level Open Borehole: 462.7' (G.L.)Water Level Cased Borehole: 465'

Quik-Foam Use:

Estimated Water Use:

Well Casing:

4in x 3ft SCD 40 PVC:		stock SS centralizers:	
4in x 5ft SCD 40 PVC:		custom SS centralizers:	1
4in x 10ft SCD 40 PVC:		4"x2' SS locking riser:	1
4in x 20ft SCD 40 PVC:		4" SS locking cap:	1
Total SCD 40 PVC pipe:	ft	4" SS female cap:	1
4in x 3ft SCD 5 SS pipe:			
4in x 5ft SCD 5 SS pipe:	1	4in x 5ft SCD 10 SS pipe:	1
4in x 10ft SCD 5 SS pipe:	2	4in x 10ft SCD 10 SS pipe:	10
4in x 20ft SCD 5 SS pipe:	18	4in x 20ft SCD 10 SS pipe:	
Total SCD 5 SS pipe:	385 ft	Total SCD 10 SS pipe:	105 ft

Well Completion:

100# bags 16/40 sand: 10 bags
100# bags 10/20 sand: bags
100# bags 8/14 sand: 2.5 bags
100# bags 8/20 sand: 6 bags

94# bags cement: 120 bags

5 gal. buckets bentonite: 2 buckets

50# bentonite powder: 12 bags

Surface Casing:

94# bags cement: 0 bags

50# bags bentonite powder: 0 bags

Pertinent Field Notes:

Previous well names: BLM 6-3, BLM-2-482.4

10/10/87 Larjon cuts road to site and 80'x80' pad, problems with dozer, completed mud pit, mobilize to site Cooper
10/11/87 Spud well with 12" bit, drill 100', set 10"x100' steel surface casing Cooper
10/12/87 Drill from 100' to 330' Cooper
10/13/87 Drill from 330'-430', bit clogs at 370' and tripped in and out to unclog, build fence around mud pit Cooper
10/14/87 Lost M-scope wire down hole (750') wire, bring in pulling unit and fish out wire, core 430'-440', plastic core barrel collapsed, only a few cobbles recovered, orientation questionable, ream 430'-440', drill to 480' with distinct color change in fluid returns (purplish), drill to 490' Kaszuba, Cooper
10/15/87 Bail well and collect sample, core 490'-500', recover 3.7' between 490'-500', ream 490'-500', drill to 550', bit plugged and lost 15' to slough, hole seems to be caving quite a bit when attempting to clean it with thicker foam and air, bit clogged again during pressure release from bit Kaszuba
10/16/87 Remove equipment from site to JP-1. Geophysical logging by Akins of S.W. Surveys.
10/17/87 Water level 461.9' Kaszuba
11/10/87 Bailed borehole clean to 527'
11/18/87 Steam clean equipment and casing for completion, move equipment and sand to well site, run 420' tremie Kaszuba

11/19/87	Install backfill sand 16/40 and bentonite plug, run casing and gravel pack around screen, 502.9' casing, screen at 482.4'-492.8' extra strength	Cooper, Kaszuba
11/20/87	Problems finishing with 8/20 sand gravel pack, probe sticks, add 8/14 sand by accident, sand still not up to 477.5'	Cooper
11/21/87	Completion zone finished, upper bentonite plug installed, sand added to above static, mobilize to JP-1	Cooper, Kaszuba
11/25/87	Grout well to 20' below ground level	Kaszuba
11/30/87	Bail 104.5 gallons, final sample extremely turbid	Kaszuba
12/1/87	Bail 154 gallons, water sand free but cloudy	Kaszuba
12/5/87	Water level 465', set pump at 493'	Cooper
12/6/87	Pump 1300 gallons, clear after 50 gallons pumped, pump rate 13 gallons/minute, stabilize pH and conductivity, move equipment to JP-1	Cooper
12/7/87	Finish grouting and set brass cap	